

Title (en)

METHOD AND SYSTEM FOR ASSISTING A DRIVER IN THE EVENT OF A ROAD DEPARTURE

Title (de)

VERFAHREN UND SYSTEM ZUR UNTERSTÜTZUNG EINES FAHRERS BEIM VERLASSEN EINER STRASSE

Title (fr)

PROCÉDÉ ET SYSTÈME D'ASSISTANCE À UN CONDUCTEUR EN CAS DE SORTIE DE ROUTE

Publication

**EP 3623240 A1 20200318 (EN)**

Application

**EP 18194006 A 20180912**

Priority

EP 18194006 A 20180912

Abstract (en)

The present invention relates to a method for assisting a driver of a host vehicle (100) in the event of a road departure. Collecting (S102) a set of drive parameter values, wherein each drive parameter is indicative of a present driving condition parameter for the vehicle. Calculating (S104) a collective road departure value based on the set of drive parameter values. When the road departure value exceeds a road departure threshold value, adapt (S106) at least one of the speed of the vehicle or the steering torque applied by the steering control system (202) to the steerable wheels of the vehicle, until the road departure value is below the road departure threshold value.

IPC 8 full level

**B60W 30/12** (2020.01); **B60W 30/095** (2012.01)

CPC (source: CN EP US)

**B60W 10/04** (2013.01 - US); **B60W 10/18** (2013.01 - US); **B60W 10/20** (2013.01 - US); **B60W 30/095** (2013.01 - EP); **B60W 30/12** (2013.01 - CN EP); **B60W 50/00** (2013.01 - US); **G08G 1/166** (2013.01 - US); **B60W 2420/403** (2013.01 - CN); **B60W 2510/22** (2013.01 - CN); **B60W 2540/18** (2013.01 - EP); **B60W 2540/30** (2013.01 - EP US); **B60W 2552/35** (2020.02 - EP); **B60W 2556/10** (2020.02 - EP); **B60W 2710/202** (2013.01 - EP); **B60W 2720/10** (2013.01 - EP); **G05D 1/0223** (2024.01 - US)

Citation (search report)

- [X] US 2016090084 A1 20160331 - TAKAMATSU YOSHIRO [US], et al
- [X] US 7102539 B2 20060905 - KAWAZOE HIROSHI [US], et al
- [X] US 2012239255 A1 20120920 - KOJIMA TAKAO [JP], et al
- [X] US 2018105171 A1 20180419 - TSUJI KANTA [JP], et al
- [I] US 7479892 B2 20090120 - LING FREDRIK [SE], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3623240 A1 20200318**; CN 110893851 A 20200320; CN 110893851 B 20230328; US 11292479 B2 20220405; US 2020079391 A1 20200312

DOCDB simple family (application)

**EP 18194006 A 20180912**; CN 201910846246 A 20190909; US 201916566947 A 20190911